

CLAIMS

- 1 A method for the production of a laminated panel comprising a first glass ply, a second glass ply and a bonding interlayer said laminate having at least one bore extending through the panel which is characterised in that a sealing member is placed between the plies so as to surround the bore and form a seal with the inner faces of the glass plies thereby excluding the interlayer from an area surrounding the bore.
- 2 A method according to claim 1 characterised in that the sealing member comprises a disc of a compressible material.
- 3 A method according to either of claims 1 or 2 characterised in that the sealing member is removed from the laminated panel following the completion of the lamination process.
- 4 A method according to claim 1 characterised in that the sealing member comprises a ring of a compressible material.
- 5 A method according to any of the preceding claims characterised in that a load bearing insert is positioned in the area surrounding the bore from which the interlayer has been excluded after the lamination process.
- 6 A method according to claim 5 characterised in that the load bearing insert is positioned by injecting a fluid into the area surrounding the bore and allowing the fluid to set to form the load bearing insert.
- 7 A method according to claim 6 characterised in that air is withdrawn from the area surrounding the bore at the same time that the fluid is introduced.
- 8 A method according to claim 1 characterised in that the sealing member comprises a ring of compressible material which extends around the perimeter of an annulus

formed from a load bearing material and which is positioned prior to the lamination step.

- 9 A method according to claim 8 characterised in that thickness of the sealing member, prior to lamination, is greater than that of the annulus.
- 10 A method according to claim 9 characterised in that the ring of compressible material is compressed so that its thickness is substantially the same as that of the disc during the lamination process.
- 11 A laminated panel comprising a first glass ply, a second glass ply and a bonding interlayer having at least one bore passing through said panel which is characterised in that the interlayer is excluded from the area surrounding the bore .
- 12 A panel according to claim 11 characterised in that it further comprises a sealing member positioned so as to surround the bore .
- 13 A panel according to claim 12 characterised in that said seal is formed by a ring of compressible material positioned so as to surround the bore.
- 14 A panel according to either of claims 12 or 13 characterised in that a load bearing insert is positioned in the area from which the interlayer has been excluded.
- 15 A panel according to claim 14 characterised in that said insert comprises a load bearing disc which was positioned prior to the production of the laminate.
- 16 A panel according to claim 14 characterised in that the insert comprises a load bearing annulus which has formed by the setting of a fluid which fluid has been introduced into the area from which the interlayer has been excluded after the lamination process has been completed.

- 17 A glass assembly comprising at least one laminated panel according to any of claims 12 to 16.
- 18 An assembly according to claim 17 characterised in that it comprises at least two laminated panels lying in the same plane and jointed to one another by means of fixing assemblies which pass through a bore in each panel.
- 19 An assembly according to claim 18 characterised in that the fixing assemblies comprise a bolt passing through a bore and acting on a plate which bridges the two panels.
- 20 An assembly according to any of claims 17 to 19 which is attached to or part of a glass façade or a glass roof.